

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEINFORMATION DISCLOSURE
STATEMENT BY APPLICANTATTY. DOCKET NO.
SMITHS-18 Div.APPLICATION NO.
10/658,930APPLICANT
Valentin G. BarbaCONFIRMATION NO.
3116FILING DATE
September 9, 2003GROUP ART UNIT
3644

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
RP	2,562,689	07/31/51	Baldwin	74	89.23	
	4,563,908	01/14/86	Shube	74	2	
	5,180,038	01/19/93	Arnold et al.	188	171	✓
	5,194,795	03/16/93	Bahn et al.	318	685	
	5,361,024	11/01/94	Wisner et al.	318	588	
	2002/0166221	11/14/02	Clew	29	407.02	
RP	2003/0192987	10/16/03	Ahrendt et al.	244	54	

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	EP 0 597 418	05/18/94	EPO	B64C	1/14		x
	DE 197 38 131	10/01/98	Germany	E06B	47/02		x
RP	JP 11-229691	08/24/99	Japan	E05B	65/20	x (Abstract only)	x (Full patent) ✓
	EP 0 992 427	04/12/00	EPO	B64C	1/14		x

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL	

EXAMINER

R. Palatka

DATE CONSIDERED 10/18/04

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not conformance and not considered. Include copy of this form with next communication to applicant.